

In the claims:

1-9 (Canceled).

10 (Currently Amended). An apparatus for paper making comprising a spray box, a paper web substrate moveable at speeds up to substantially 1800 meters per minute below said spray box, multiple nozzles mounted inside said spray box for spraying raw materials cross-directional profiling achieved by means of each nozzle spraying a controlled amount or suspended solids including fibers, minerals and chemicals onto said substrate, said spray box including a substrate entry point and a substrate exit point, said entry and exit points comprising respectively adjustable entry and exit gaps disposed above said substrate, aerosols emitting from said nozzles, and means to remove said aerosols from said spray box, a device for smoothening the surface characteristics of said suspended solids having a distal end, said distal end being adjacent a point on one side of said substrate, a roller disposed on the other side of said substrate and in abutment therewith, and said adjacent point being spaced laterally along said substrate from the location of said abutment.

11 (Previously Presented). The apparatus according to claim 10 wherein said exit gap is adjustable by means of a gas driven doctoring device.

12 (Previously Presented). The apparatus according to claim 11 wherein a roller is disposed below said substrate opposite said gas drive doctoring device.

13 (Previously Presented). The apparatus according to claim 10 wherein said exit gap is adjustable by means of a blade.

14 (Currently Amended). The apparatus according to claim 13 wherein and a roller is disposed below said substrate opposite said blade.

15 (Previously Presented). The apparatus according to claim 10 wherein said exit gap is adjustable by means of a hydroplaning roller.

16 (Previously Presented). The apparatus according to claim 15 wherein a roller is disposed below said substrate opposite said hydroplaning roller.

17 (Previously Presented). The apparatus according to claim 10 wherein said aerosols are removed from said spray box by means of a piping and valve assembly.

18 (Previously Presented). The apparatus according to claim 17 wherein said aerosols are forced through said piping by means of a pressure valve to a gas washing system.

19 (Previously Presented). The apparatus according to claim 18 wherein said gas washing system comprises a cyclone based air washer.

20 (New). An apparatus for paper making comprising a spray box, a paper web substrate moveable below said spray box, multiple nozzles mounted inside said spray box for spraying suspended solids onto said substrate, said spray box including a substrate entry point and a substrate exit point, said entry and exit points comprising respectively adjustable entry and exit gaps disposed above said substrate, aerosols emitting from said nozzles, means to remove said aerosols from said spray box, a device for smoothening the surface characteristics of said suspended solids having a distal end, said distal end being adjacent a point on one side of said substrate, a roller disposed on the other side of said substrate and in abutment therewith, and said adjacent point being spaced laterally along said substrate from the location of said abutment.